

NEWS 4 OCT 03 MATHDI removed from STN
NEWS 5 OCT 04 CA/CAplus-Canadian Intellectual Property Office (CIPO) added to core patent offices
NEWS 6 OCT 13 New CAS Information Use Policies Effective October 17, 2005
NEWS 7 OCT 17 STN(R) Anavist(TM), Version 1.01, allows the export/download of CAplus documents for use in third-party analysis and visualization tools
NEWS 8 OCT 27 Free KWIC format extended in full-text databases
NEWS 9 OCT 27 DIOGENES content streamlined
NEWS 10 OCT 27 EPFULL enhanced with additional content
NEWS 11 NOV 14 CA/CAplus - Expanded coverage of German academic research
NEWS 12 NOV 30 REGISTRY/ZREGISTRY on STN(R) enhanced with experimental spectral property data
NEWS 13 DEC 05 CASREACT(R) - Over 10 million reactions available

NEWS EXPRESS DECEMBER 02 CURRENT VERSION FOR WINDOWS IS V8.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 02 DECEMBER 2005. V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT <http://download.cas.org/express/v8.0-Discover/>

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 07:24:12 ON 08 DEC 2005

FILE 'BIOSIS' ENTERED AT 07:24:22 ON 08 DEC 2005
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FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 1 December 2005 (20051201/ED)

=> s Tuross/au and Radiocarbon/so and 1995/py
0 TUROSS/AU
92 RADIOCARBON/SO
555878 1995/PY
L1 0 TUROSS/AU AND RADIOCARBON/SO AND 1995/PY

=> s Hedges/au and radiocarbon/so and 1995/py
0 HEDGES/AU
92 RADIOCARBON/SO
555878 1995/PY

L2 0 HEDGES/AU AND RADIOCARBON/SO AND 1995/PY

=> s radiocarbon(w)dating and tooth(w)enamel
3362 RADIOCARBON
8 RADIOCARBONS
3368 RADIOCARBON
(RADIOCARBON OR RADIOCARBONS)
7871 DATING
287 DATINGS
8029 DATING
(DATING OR DATINGS)
1414 RADIOCARBON (W) DATING
25756 TOOTH
14 TOOTHS
28526 TEETH
9 TEETHS
46253 TOOTH
(TOOTH OR TOOTHS OR TEETH OR TEETHS)
10740 ENAMEL
61 ENAMELS
10758 ENAMEL
(ENAMEL OR ENAMELS)
905 TOOTH (W) ENAMEL
L3 2 RADIOCARBON (W) DATING AND TOOTH (W) ENAMEL

=> d scan

L3 2 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI A contribution to the nutritional history of prehistoric Sardinia (Italy):
Preliminary results of isotopic analyses of bone collagen, bone apatite
and tooth enamel.
IT Methods & Equipment
DNA analysis: genetic techniques, laboratory techniques; Kiel
individual acid bath system: laboratory techniques; isotopic analysis:
laboratory techniques; mass spectrometry: laboratory techniques,
spectrum analysis techniques; radiocarbon dating:
applied and field techniques
IT Miscellaneous Descriptors
Bronze Age; University of South Florida [USF]; agriculture; coastal
sites; farming; fishing; herding; inland sites; mobility patterns;
nutritional history; pastoralism; prehistoric societies;
socioeconomics; subsistence strategies

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3 2 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI ESR dating of tooth enamel from Aterian levels at
Mugharet el 'Aliya (Tangier, Morocco).
IT Methods & Equipment
chronometric dating: applied and field techniques; electron spin
resonance dating [ESR dating]: applied and field techniques;
radiocarbon dating: applied and field techniques
IT Miscellaneous Descriptors
Early Uptake model [EU model]; Linear Uptake model [LU model];
Mousterian-to-Aterian transition; Paleolithic; sand deposition

ALL ANSWERS HAVE BEEN SCANNED

=> logoff hold
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
2.55	2.76

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 07:26:19 ON 08 DEC 2005

Connecting via Winsock to STN

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LOGINID:SSPTASMB1637

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'BIOSIS' AT 07:27:32 ON 08 DEC 2005
FILE 'BIOSIS' ENTERED AT 07:27:32 ON 08 DEC 2005
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.55	2.76

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.55	2.76

FILE 'CAPLUS' ENTERED AT 07:27:40 ON 08 DEC 2005
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FILE COVERS 1907 - 8 Dec 2005 VOL 143 ISS 24
FILE LAST UPDATED: 7 Dec 2005 (20051207/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s tuross/au and radiocarbon/so and 1995/py
0 TUROSS/AU
1287 RADIOCARBON/SO
814609 1995/PY
L4 0 TUROSS/AU AND RADIOCARBON/SO AND 1995/PY

=> s tuross/au and 1995/py
0 TUROSS/AU
814609 1995/PY
L5 0 TUROSS/AU AND 1995/PY

=> s radiocarbon(w)dating and enamel
6175 RADIOCARBON
10 RADIOCARBONS
6179 RADIOCARBON

(RADIOCARBON OR RADIOCARBONS)

16930 DATING
194 DATINGS
17026 DATING
(DATING OR DATINGS)

1964 RADIOCARBON (W) DATING
25019 ENAMEL
13531 ENAMELS
29594 ENAMEL
(ENAMEL OR ENAMELS)

L6 10 RADIOCARBON (W) DATING AND ENAMEL

=> d scan

L6 10 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 53-8 (Mineralogical and Geological Chemistry)
Section cross-reference(s): 20

TI ESR dating at Mezmaiskaya Cave, Russia
ST fauna Neanderthal hominin bone ESR age detn Mezmaiskaya Russia
IT Caves
ESR dating
Radiocarbon dating
Stalactites
Stalagmites
(age determination of faunal remains of Neanderthal hominins from the
Mezmaiskaya (Russia) Cave, based on ESR data)

IT Limestone, occurrence
RL: GOC (Geological or astronomical occurrence); PRP (Properties); OCCU
(Occurrence)
(age determination of faunal remains of Neanderthal hominins from the
Mezmaiskaya (Russia) Cave, based on ESR data)

IT Groundwaters
(cave; age determination of faunal remains of Neanderthal hominins from the
Mezmaiskaya (Russia) Cave, based on ESR data)

IT Bone
Skeleton
Skull
(human; age determination of faunal remains of Neanderthal hominins from the
Mezmaiskaya (Russia) Cave, based on ESR data)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L6 10 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)

TI Inverse methods for estimating primary input signals from time-averaged
isotope profiles
ST radiocarbon dating tooth enamel paleodiet
hippopotamus

IT Diet
(ancient; inverse methods for estimating primary input signals from
time-averaged isotope profiles)

IT Bone
(archaeol.; inverse methods for estimating primary input signals from
time-averaged isotope profiles)

IT Isotopes
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(carbon isotope profiles; inverse methods for estimating primary input
signals from time-averaged isotope profiles)

IT Tooth
(enamel, formation (amelogenesis); inverse methods for estimating
primary input signals from time-averaged isotope profiles)

IT Hippopotamus
Radiocarbon dating
Tooth
(inverse methods for estimating primary input signals from time-averaged

isotope profiles)

IT Diet
(paleodiet; inverse methods for estimating primary input signals from time-averaged isotope profiles)

L6 10 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)

TI Age estimation from a tooth dated ca. 3,000 B.C. by racemization of amino acid

ST tooth age estn aspartate racemization; ancient man age estn tooth aspartate

IT Anthropology
Bone
Longevity
Racemization
Radiocarbon dating
Tooth
(age estimation from a tooth dated ca. 3,000 B.C. by racemization of amino acid)

IT Amino acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(age estimation from a tooth dated ca. 3,000 B.C. by racemization of amino acid)

IT 56-84-8, L-Aspartic acid, biological studies 1783-96-6, D-Aspartic acid
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(age estimation from a tooth dated ca. 3,000 B.C. by racemization of amino acid)

L6 10 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-0 (History, Education, and Documentation)
Section cross-reference(s): 8, 13

TI "Isotope language" of the Alpine Iceman investigated with AMS and MS

ST review archaeol isotope tooth bone intestine Alpine Iceman migration

IT Minerals, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(biominerals; use of stable and radioactive isotopes to elucidate Alpine Iceman)

IT Intestine
(contents of; use of stable and radioactive isotopes to elucidate Alpine Iceman)

IT Tooth
(enamel; use of stable and radioactive isotopes to elucidate Alpine Iceman)

IT Behavior
(migratory, human; use of stable and radioactive isotopes to elucidate Alpine Iceman)

IT Archaeology
Bone
Human
Radiocarbon dating
Soils
Waters
(use of stable and radioactive isotopes to elucidate Alpine Iceman)

IT Isotopes
Radionuclides, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(use of stable and radioactive isotopes to elucidate Alpine Iceman)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L6 10 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)
Section cross-reference(s): 11, 18, 53

TI Environmentally driven dietary adaptations in African mammals
ST paleontol dietary adaptation grassland mammal evolution carbon isotopic analysis
IT Embryophyta
 (C3 plant; environmentally riven dietary adaptations in African mammals)
IT Embryophyta
 (C4 plant; environmentally riven dietary adaptations in African mammals)
IT Tooth
 (enamel; environmentally riven dietary adaptations in African mammals)
IT Adaptation, animal
 (environmentally driven dietary adaptations in African mammals)
IT Diet
Ecology
Elephantidae
Equidae
Extinction, biological
Fossils
Geological age (relative)
Giraffidae
Gomphotherium
Grasslands
Paleontology
Photosynthesis, biological
Radiocarbon age
 Radiocarbon dating
Stratigraphy
Suidae
 (environmentally riven dietary adaptations in African mammals)
IT Isotopes
RL: OCU (Occurrence, unclassified); OCCU (Occurrence)
 (environmentally riven dietary adaptations in African mammals)

L6 10 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)
TI Is tooth enamel carbonate a suitable material for radiocarbon dating?
ST ancient tooth enamel radiocarbon dating
IT Archaeology
 (radiocarbon dating of tooth enamel carbonate)
IT Carbonates, miscellaneous
RL: MSC (Miscellaneous)
 (radiocarbon dating of tooth enamel carbonate)
IT Tooth
 (enamel, archaeol.; radiocarbon dating of tooth enamel carbonate)
IT Geological age determination
 (radiocarbon, radiocarbon dating of tooth enamel carbonate)

L6 10 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-0 (History, Education, and Documentation)
TI Chronometric Dating in Archaeology: A Review
ST review archaeol radiocarbon dating history
IT Archaeology
History
 Radiocarbon dating
 (chronometric dating in archaeol.)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> sel 16 cit 6
E1 THROUGH E1 ASSIGNED

=> file scisearch
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.24	20.00

FILE 'SCISEARCH' ENTERED AT 07:30:03 ON 08 DEC 2005
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FILE COVERS 1974 TO 1 Dec 2005 (20051201/ED)

SCISEARCH has been reloaded, see HELP RLOAD for details.

=> s e1
L7 3 "SCHWARCZ H P, 2002, V35, P637,?"/RE
("SCHWARCZ H P, 2002, V35, P637,"?/RE)

=> d scan

L7 3 ANSWERS SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 2005:642050 SCISEARCH
GA The Genuine Article (R) Number: 935IE
TI The relationship between balancing reactions and reaction lifetimes: A
consideration of the potassium-argon radiometric method for dating
minerals
CC CHEMISTRY, MULTIDISCIPLINARY; EDUCATION, SCIENTIFIC DISCIPLINES
STP KeyWords Plus (R): ANTARCTIC MARTIAN METEORITES; AROMATIC-HYDROCARBONS
PAHS; CARBONACEOUS CHONDRITES; POLAR ICE; ETHIOPIA; CRYSTAL; ORIGIN;
ANIONS; BOND; KO

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L7 3 ANSWERS SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 2005:824197 SCISEARCH
GA The Genuine Article (R) Number: 952YG
TI EPR dating of hydroxyapatite from fossil bones. Transient effects after
gamma and UV irradiation
CC PHYSICS, MULTIDISCIPLINARY
STP KeyWords Plus (R): TOOTH ENAMEL; SINGLE-CRYSTALS; ESR SIGNALS; RESONANCE;
RADIATION; DEFECTS; ENDOR
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L7 3 ANSWERS SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 2005:1085759 SCISEARCH
GA The Genuine Article (R) Number: 977FY
TI History and significance of chiral analysis of amino acids in biological
matrices and environment
CC CHEMISTRY, MULTIDISCIPLINARY
STP KeyWords Plus (R): D-ASPARTIC ACID; PERFORMANCE LIQUID-CHROMATOGRAPHY;
CAPILLARY GAS-CHROMATOGRAPHY; D-GLUTAMIC ACID; D-SERINE; D-ALANINE;
RAT-BRAIN; CEREBROSPINAL-FLUID; O-PHTHALDIALDEHYDE; POSTNATAL CHANGES
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

ALL ANSWERS HAVE BEEN SCANNED

=> logoff
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.22	22.22